

Ag. Waste Application and Excavated Ponds
Butte County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| AbA: Absher----- | 55 | Very limited Restricted permeability Salinity Sodium content Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Loburn----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| AbB: Absher----- | 50 | Very limited Restricted permeability Salinity Sodium content Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Loburn----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| AeB: Absher----- | 50 | Very limited Restricted permeability Salinity Sodium content Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Slickspots, Dry----- | 30 | Not rated | | Not rated | |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| AfB: Alice----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| AfC: Alice----- | 80 | Not limited | | Very limited Deep to water | 1.00 |
| AlA: Altvan----- | 85 | Very limited Filtering capacity Droughty | 1.00 0.18 | Very limited Deep to water | 1.00 |
| AlB: Altvan----- | 85 | Very limited Filtering capacity Depth to dense layer Droughty | 1.00 1.00 0.18 | Very limited Deep to water | 1.00 |
| AnA: Archin----- | 60 | Very limited Restricted permeability Sodium content Runoff limitation Salinity | 1.00 1.00 0.40 0.35 | Very limited Deep to water | 1.00 |
| Slickspots, Dry----- | 30 | Not rated | | Not rated | |
| ArA: Arvada----- | 90 | Very limited Restricted permeability Sodium content Runoff limitation | 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| AsA: Arvada----- | 60 | Very limited Restricted permeability Sodium content Runoff limitation | 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Slickspots, Dry----- | 30 | Not rated | | Not rated | |
| AtA: Assinniboine----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| BaA: Baca----- | 90 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| BaB: Baca----- | 90 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Bd: Badland----- | 75 | Not rated | | Not rated | |
| Be: Barnum----- | 90 | Somewhat limited Salinity | 0.01 | Very limited Deep to water | 1.00 |
| Bh: Barnum----- | 90 | Somewhat limited Flooding Salinity | 0.60 0.01 | Very limited Deep to water | 1.00 |
| BlA: Belfield----- | 60 | Very limited Restricted permeability Sodium content | 1.00 0.82 | Very limited Deep to water | 1.00 |
| Loburn----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| BlB: Belfield----- | 60 | Very limited Restricted permeability Sodium content | 1.00 0.82 | Very limited Deep to water | 1.00 |
| Loburn----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| BmA: Bidman----- | 90 | Very limited Restricted permeability Filtering capacity | 1.00 1.00 | Very limited Deep to water | 1.00 |
| BmB: Bidman----- | 85 | Very limited Restricted permeability Filtering capacity | 1.00 1.00 | Very limited Deep to water | 1.00 |
| BrB: Bidman----- | 60 | Very limited Restricted permeability Filtering capacity | 1.00 1.00 | Very limited Deep to water | 1.00 |
| Redig----- | 30 | Not limited | | Very limited Deep to water | 1.00 |
| BsB: Boneek----- | 90 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| BsC: Boneek----- | 90 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| BtB: Broadhurst----- | 85 | Very limited Restricted permeability Too acid Salinity Runoff limitation | 1.00 0.62 0.50 0.40 | Very limited Deep to water | 1.00 |
| BuD: Butche----- | 50 | Very limited Depth to bedrock Droughty Slope Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Boneek----- | 30 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| BvF: Butche----- | 50 | Very limited Slope Depth to bedrock Droughty Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Rock Outcrop, Sandy- | 30 | Not rated | | Not rated | |
| CaF: Cabbart----- | 80 | Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption | 1.00 1.00 1.00 0.40 0.10 | Very limited Deep to water | 1.00 |
| CbD: Cabbart----- | 45 | Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption | 1.00 1.00 0.63 0.40 0.10 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|---------------------------------|---------------------------|--|--|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Lismas----- | 35 | Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation | 1.00 1.00 1.00 0.63 0.40 | Very limited Deep to water | 1.00 |
| CcF: Cabbart----- | 50 | Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption | 1.00 1.00 1.00 0.40 0.10 | Very limited Deep to water | 1.00 |
| Rock Outcrop, Sandstone----- | 40 | Not rated | | Not rated | |
| CgD: Cabbart----- | 50 | Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption | 1.00 1.00 1.00 0.40 0.10 | Very limited Deep to water | 1.00 |
| Scroggin----- | 30 | Very limited Slope Droughty Depth to bedrock Restricted permeability | 1.00 0.56 0.42 0.30 | Very limited Deep to water | 1.00 |
| ClF: Canyon----- | 50 | Very limited Slope Depth to bedrock Droughty Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Colby----- | 25 | Very limited Slope | 1.00 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| CmA: Nunn----- | 90 | Very limited Restricted permeability | 1.00 | Very limited Deep to water | 1.00 |
| CmB: Nunn----- | 90 | Very limited Restricted permeability | 1.00 | Very limited Deep to water | 1.00 |
| CmC: Nunn----- | 85 | Very limited Restricted permeability | 1.00 | Very limited Deep to water | 1.00 |
| CnA: Chinook----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| CoD: Colby----- | 50 | Somewhat limited Slope | 0.37 | Very limited Deep to water | 1.00 |
| Canyon----- | 30 | Very limited Slope Depth to bedrock Droughty Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| DsA: Dix----- | 80 | Very limited Droughty Filtering capacity Leaching limitation | 1.00 1.00 0.45 | Very limited Deep to water | 1.00 |
| EpD: Epsie----- | 85 | Very limited Restricted permeability Depth to bedrock Salinity Droughty Slope | 1.00 1.00 1.00 1.00 0.96 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| EsE: Epsie----- | 70 | Very limited Restricted permeability Depth to bedrock Salinity Droughty Slope | 1.00 1.00 1.00 1.00 1.00 | Very limited Deep to water | 1.00 |
| Rock Outcrop, Soft-- | 30 | Not rated | | Not rated | |
| GgA: Glenberg----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| GgB: Glenberg----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| Gh: Glenberg----- | 45 | Somewhat limited Flooding | 0.60 | Very limited Deep to water | 1.00 |
| Haverson----- | 45 | Very limited Flooding | 1.00 | Very limited Deep to water | 1.00 |
| GnC: Graner----- | 90 | Somewhat limited Slope Too acid | 0.96 0.78 | Very limited Deep to water | 1.00 |
| GrE: Grummit----- | 90 | Very limited Slope Depth to bedrock Droughty Too acid Runoff limitation | 1.00 1.00 1.00 0.78 0.40 | Very limited Deep to water | 1.00 |
| Ha: Hanly----- | 85 | Very limited Filtering capacity Flooding Leaching limitation | 1.00 0.60 0.45 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| HeA: Haverson----- | 80 | Not limited | | Very limited Deep to water | 1.00 |
| HeB: Haverson----- | 80 | Not limited | | Very limited Deep to water | 1.00 |
| HlB: Hisle----- | 80 | Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity | 1.00 1.00 0.42 0.40 0.35 | Very limited Deep to water | 1.00 |
| HsB: Hisle----- | 55 | Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity | 1.00 1.00 0.42 0.40 0.35 | Very limited Deep to water | 1.00 |
| Slickspots, Dry---- | 30 | Not rated | | Not rated | |
| KeA: Keith----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| KeB: Keith----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| KeC: Keith----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| KlA: Kyle----- | 90 | Very limited Restricted permeability Runoff limitation Sodium content | 1.00 0.40 0.32 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| KlB: Kyle----- | 90 | Very limited Restricted permeability Runoff limitation Sodium content | 1.00 0.40 0.32 | Very limited Deep to water | 1.00 |
| KlC: Kyle----- | 85 | Very limited Restricted permeability Runoff limitation Sodium content | 1.00 0.40 0.32 | Very limited Deep to water | 1.00 |
| Kt: Kyle----- | 95 | Very limited Restricted permeability Runoff limitation Sodium content | 1.00 0.40 0.32 | Very limited Deep to water | 1.00 |
| KuB: Kyle----- | 50 | Very limited Restricted permeability Runoff limitation Sodium content | 1.00 0.40 0.32 | Very limited Deep to water | 1.00 |
| Pierre----- | 30 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content | 1.00 1.00 0.42 0.40 0.18 | Very limited Deep to water | 1.00 |
| LaF: Lakoa----- | 50 | Very limited Slope Restricted permeability Too acid | 1.00 0.89 0.02 | Very limited Deep to water | 1.00 |
| Colby----- | 35 | Very limited Slope | 1.00 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| LcE: Lismas----- | 75 | Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation | 1.00 1.00 1.00 0.96 0.40 | Very limited Deep to water | 1.00 |
| LeD: Lismas----- | 50 | Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope | 1.00 1.00 1.00 0.40 0.37 | Very limited Deep to water | 1.00 |
| Pierre----- | 35 | Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation | 1.00 1.00 0.63 0.42 0.40 | Very limited Deep to water | 1.00 |
| Lm: Haverson----- | 90 | Very limited Flooding | 1.00 | Very limited Deep to water | 1.00 |
| LnA: Lohmiller----- | 80 | Somewhat limited Restricted permeability Salinity | 0.89 0.01 | Very limited Deep to water | 1.00 |
| LnB: Lohmiller----- | 80 | Somewhat limited Restricted permeability Salinity | 0.89 0.01 | Very limited Deep to water | 1.00 |
| Lo: Sage----- | 95 | Very limited Restricted permeability Salinity Depth to saturated zone Droughty Runoff limitation | 1.00 1.00 1.00 0.79 0.40 | Very limited Salty water Slow refill Cutbanks cave | 1.00 1.00 0.10 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|--|------------------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Ls: Lohmiller Variant--- | 95 | Very limited Flooding Restricted permeability Too acid Salinity | 1.00 0.89 0.18 0.01 | Very limited Deep to water | 1.00 |
| MaA: Manter----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| MaB: Manter----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| McA: Manvel----- | 95 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| McB: Manvel----- | 85 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Mh: Aquolls----- | 100 | Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation | 1.00 1.00 1.00 0.40 | Somewhat limited Slow refill Cutbanks cave | 0.57 0.10 |
| MLA: Mawer----- | 80 | Very limited Filtering capacity Droughty | 1.00 0.25 | Very limited Deep to water | 1.00 |
| MLB: Mawer----- | 80 | Very limited Filtering capacity Droughty | 1.00 0.25 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Mn: Mckenzie----- | 90 | Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation Salinity | 1.00 1.00 1.00 0.40 0.01 | Very limited Slow refill Cutbanks cave Salty water | 1.00 0.10 0.01 |
| MoE: Midway----- | 80 | Very limited Restricted permeability Depth to bedrock Droughty Slope Sodium content | 1.00 1.00 1.00 1.00 0.50 | Very limited Deep to water | 1.00 |
| MrD: Midway----- | 50 | Very limited Restricted permeability Depth to bedrock Droughty Sodium content Runoff limitation | 1.00 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| Razor----- | 30 | Very limited Restricted permeability Depth to bedrock Droughty | 1.00 0.42 0.42 | Very limited Deep to water | 1.00 |
| Ms: Minatare----- | 55 | Very limited Filtering capacity Restricted permeability Sodium content Salinity Depth to saturated zone | 1.00 1.00 1.00 1.00 1.00 | Very limited Cutbanks cave Salty water Deep to water | 1.00 1.00 0.01 |

Ag. Waste Application and Excavated Ponds -- continued
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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|--|--|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Whitelake----- | 40 | Very limited Restricted permeability Sodium content Filtering capacity Salinity | 1.00 1.00 1.00 0.50 | Somewhat limited Deep to water Salty water Cutbanks cave | 0.81 0.50 0.10 |
| Mt: Orthents, Tailings-- | 100 | Not rated | | Not rated | |
| MuB: Minnequa----- | 85 | Somewhat limited Droughty Depth to bedrock Sodium content Restricted permeability Salinity | 0.78 0.42 0.32 0.30 0.01 | Very limited Deep to water | 1.00 |
| MuC: Minnequa----- | 85 | Somewhat limited Droughty Depth to bedrock Sodium content Restricted permeability Salinity | 0.78 0.42 0.32 0.30 0.01 | Very limited Deep to water | 1.00 |
| NeB: Nevee----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| NsD: Nevee----- | 55 | Very limited Slope | 1.00 | Very limited Deep to water | 1.00 |
| Spearfish----- | 35 | Very limited Depth to bedrock Droughty Slope Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
Butte County, South Dakota

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| ObA: Loburn----- | 85 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| PaA: Parshall----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| PeE: Enning----- | 80 | Very limited Depth to bedrock Droughty Slope Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| PmD: Enning----- | 50 | Very limited Depth to bedrock Droughty Runoff limitation Slope | 1.00 1.00 0.40 0.04 | Very limited Deep to water | 1.00 |
| Minnequa----- | 30 | Somewhat limited Droughty Depth to bedrock Sodium content Restricted permeability Slope | 0.78 0.42 0.32 0.30 0.04 | Very limited Deep to water | 1.00 |
| PrA: Pierre----- | 90 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content | 1.00 1.00 0.42 0.40 0.18 | Very limited Deep to water | 1.00 |
| PrB: Pierre----- | 80 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content | 1.00 1.00 0.42 0.40 0.18 | Very limited Deep to water | 1.00 |

Ag. Waste Application and Excavated Ponds -- continued
Butte County, South Dakota

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|--|--|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| PrD: Pierre----- | 80 | Very limited Slope Restricted permeability Droughty Depth to bedrock Runoff limitation | 1.00 1.00 1.00 0.42 0.40 | Very limited Deep to water | 1.00 |
| RaB: Ralph----- | 80 | Somewhat limited Depth to bedrock Droughty | 0.42 0.01 | Very limited Deep to water | 1.00 |
| RcA: Razor----- | 95 | Very limited Restricted permeability Depth to bedrock Droughty | 1.00 0.42 0.42 | Very limited Deep to water | 1.00 |
| RcB: Razor----- | 90 | Very limited Restricted permeability Depth to bedrock Droughty | 1.00 0.42 0.42 | Very limited Deep to water | 1.00 |
| RcC: Razor----- | 85 | Very limited Restricted permeability Depth to bedrock Droughty | 1.00 0.42 0.42 | Very limited Deep to water | 1.00 |
| RdE: Redig----- | 85 | Very limited Slope | 1.00 | Very limited Deep to water | 1.00 |
| Rh: Riverwash----- | 100 | Not rated | | Not rated | |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|---|---------------------------|--|--|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| RsF: Rock Outcrop, Sandstone----- | 50 | Not rated | | Not rated | |
| Spearfish----- | 35 | Very limited Slope Depth to bedrock Droughty Runoff limitation | 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Sa: Sage----- | 55 | Very limited Restricted permeability Salinity Depth to saturated zone Droughty Flooding | 1.00 1.00 1.00 0.79 0.60 | Very limited Salty water Slow refill Cutbanks cave | 1.00 1.00 0.10 |
| Slickspots, Dry----- | 25 | Not rated | | Not rated | |
| Sb: Sage----- | 80 | Very limited Restricted permeability Salinity Depth to saturated zone Droughty Flooding | 1.00 1.00 1.00 0.79 0.60 | Very limited Salty water Slow refill Cutbanks cave | 1.00 1.00 0.10 |
| ScA: Satanta----- | 80 | Not limited | | Very limited Deep to water | 1.00 |
| ScB: Satanta----- | 80 | Not limited | | Very limited Deep to water | 1.00 |
| ScC: Satanta----- | 80 | Not limited | | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|------------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| SdA: Savo----- | 85 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| SdB: Savo----- | 85 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| SeE: Schamber----- | 75 | Very limited Slope Leaching limitation | 1.00 0.45 | Very limited Deep to water | 1.00 |
| Sg: Rock Outcrop, Soft-- | 80 | Not rated | | Not rated | |
| ShF: Rock Outcrop, Soft-- | 60 | Not rated | | Not rated | |
| Grummit----- | 30 | Very limited Slope Depth to bedrock Droughty Too acid Runoff limitation | 1.00 1.00 1.00 0.78 0.40 | Very limited Deep to water | 1.00 |
| SkB: Slickspots, Dry----- | 60 | Not rated | | Not rated | |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|------------------------------|---------------------------|---|--------------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Demar----- | 40 | Very limited Restricted permeability Runoff limitation Sodium content Droughty Too acid | 1.00 0.40 0.18 0.02 0.02 | Very limited Slow refill Deep to water Salty water Cutbanks cave | 1.00 0.81 0.78 0.10 |
| SlB: Slickspots, Dry----- | 60 | Not rated | | Not rated | |
| Wasa----- | 30 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Salinity | 1.00 1.00 0.42 0.40 0.01 | Very limited Deep to water | 1.00 |
| SmE: Snomo----- | 55 | Somewhat limited Slope Too acid | 0.63 0.50 | Very limited Deep to water | 1.00 |
| Rock Outcrop, Soft-- | 30 | Not rated | | Not rated | |
| SnB: Sorum----- | 80 | Very limited Restricted permeability Sodium content Runoff limitation | 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| Sr: Stetter----- | 85 | Very limited Restricted permeability Flooding Runoff limitation | 1.00 0.60 0.40 | Very limited Deep to water | 1.00 |

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|-----------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Ss: Stetter----- | 95 | Very limited Restricted permeability Flooding Runoff limitation | 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |
| St: Lismas----- | 60 | Very limited Restricted permeability Depth to bedrock Droughty Slope Cobble content | 1.00 1.00 1.00 1.00 0.50 | Very limited Deep to water | 1.00 |
| SuA: Swanboy----- | 85 | Very limited Restricted permeability Runoff limitation Salinity Droughty | 1.00 0.40 0.35 0.05 | Very limited Deep to water | 1.00 |
| Sv: Swanboy----- | 50 | Very limited Restricted permeability Runoff limitation Salinity Droughty | 1.00 0.40 0.35 0.05 | Very limited Deep to water | 1.00 |
| Slickspots, Dry----- | 30 | Not rated | | Not rated | |
| Te: Lismas----- | 60 | Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation | 1.00 1.00 1.00 1.00 0.40 | Very limited Deep to water | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|--|---------------------------|--|--------------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Rock Outcrop, Soft-- | 20 | Not rated | | Not rated | |
| TfD: Twilight----- | 70 | Very limited Slope Droughty Depth to bedrock | 1.00 0.99 0.42 | Very limited Deep to water | 1.00 |
| TgC: Twilight----- | 40 | Very limited Droughty Depth to bedrock | 0.99 0.42 | Very limited Deep to water | 1.00 |
| Assinniboine----- | 30 | Not limited | | Very limited Deep to water | 1.00 |
| ThD: Twilight----- | 50 | Very limited Slope Droughty Depth to bedrock | 1.00 0.99 0.42 | Very limited Deep to water | 1.00 |
| Blackhall----- | 30 | Very limited Depth to bedrock Droughty Low adsorption Slope Runoff limitation | 1.00 1.00 0.70 0.63 0.40 | Very limited Deep to water | 1.00 |
| ToB: Twotop----- | 85 | Very limited Restricted permeability Runoff limitation | 1.00 0.40 | Very limited Deep to water | 1.00 |
| VaA: Vale----- | 90 | Not limited | | Very limited Deep to water | 1.00 |
| w: Water (less Than 40 Acres)----- | 100 | Not rated | | Not rated | |

Ag. Waste Application and Excavated Ponds -- continued
Butte County, South Dakota

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|--|---------------------------|---|--------------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| WaB: Wasa----- | 60 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Salinity | 1.00 1.00 0.42 0.40 0.01 | Very limited Deep to water | 1.00 |
| Slickspots, Dry----- | 35 | Not rated | | Not rated | |
| WhA: Whitelake----- | 85 | Very limited Restricted permeability Sodium content Filtering capacity Salinity | 1.00 1.00 1.00 0.50 | Somewhat limited Deep to water Salty water Cutbanks cave | 0.81 0.50 0.10 |
| WnB: Winler----- | 70 | Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation | 1.00 1.00 0.42 0.40 | Very limited Deep to water | 1.00 |
| ww: Water (greater Than 40 Acres)----- | 100 | Not rated | | Not rated | |
| ZeB: Zeona----- | 80 | Very limited Filtering capacity Leaching limitation Droughty | 1.00 0.45 0.24 | Very limited Deep to water | 1.00 |

